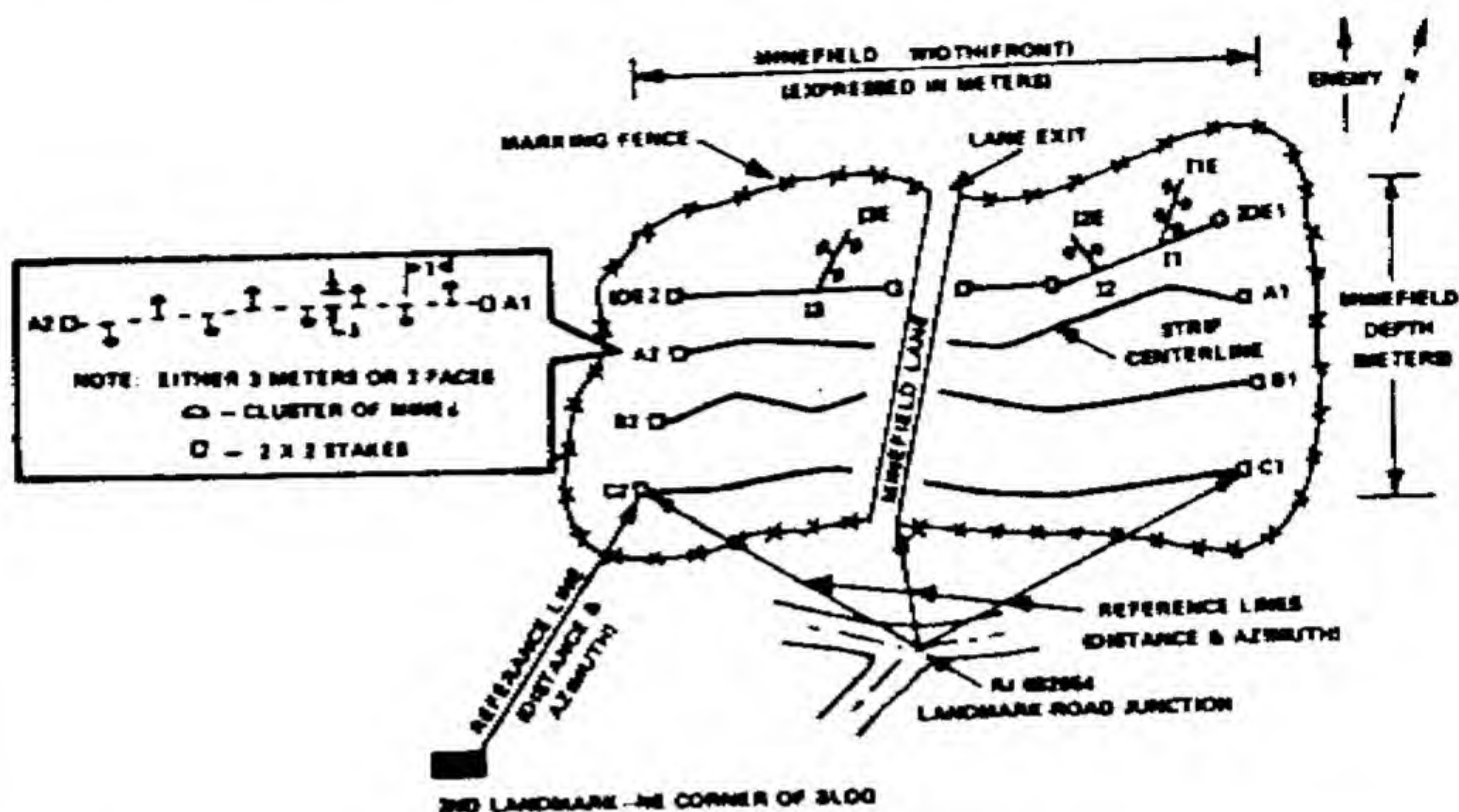
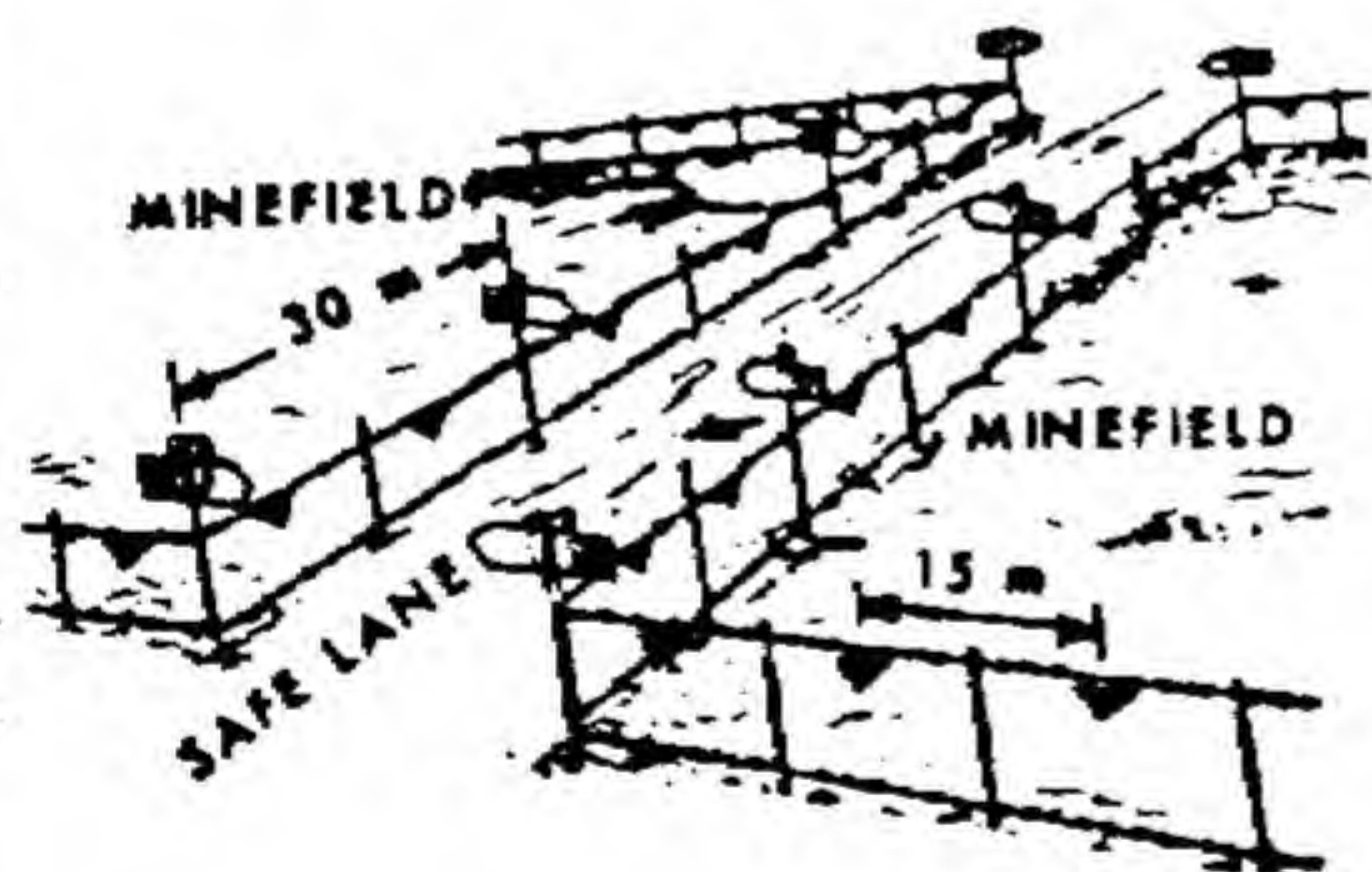


GTA 5-10-27 MINE CARD

NOVEMBER 1975 (Supersedes GTA 5-10-10, June, 1970)



STANDARD PATTERN MINEFIELD FENCED, MARKED, AND REFERENCED



MARKING OF MINED TERRAIN

WARNING SIGNS FOR AREAS CONTAINING MINES

HIGH EXPLOSIVE MINES CHEMICAL MINES



RED BACKGROUND
WHITE LETTERS



RED BACKGROUND
YELLOW LETTERS
YELLOW STRIPES

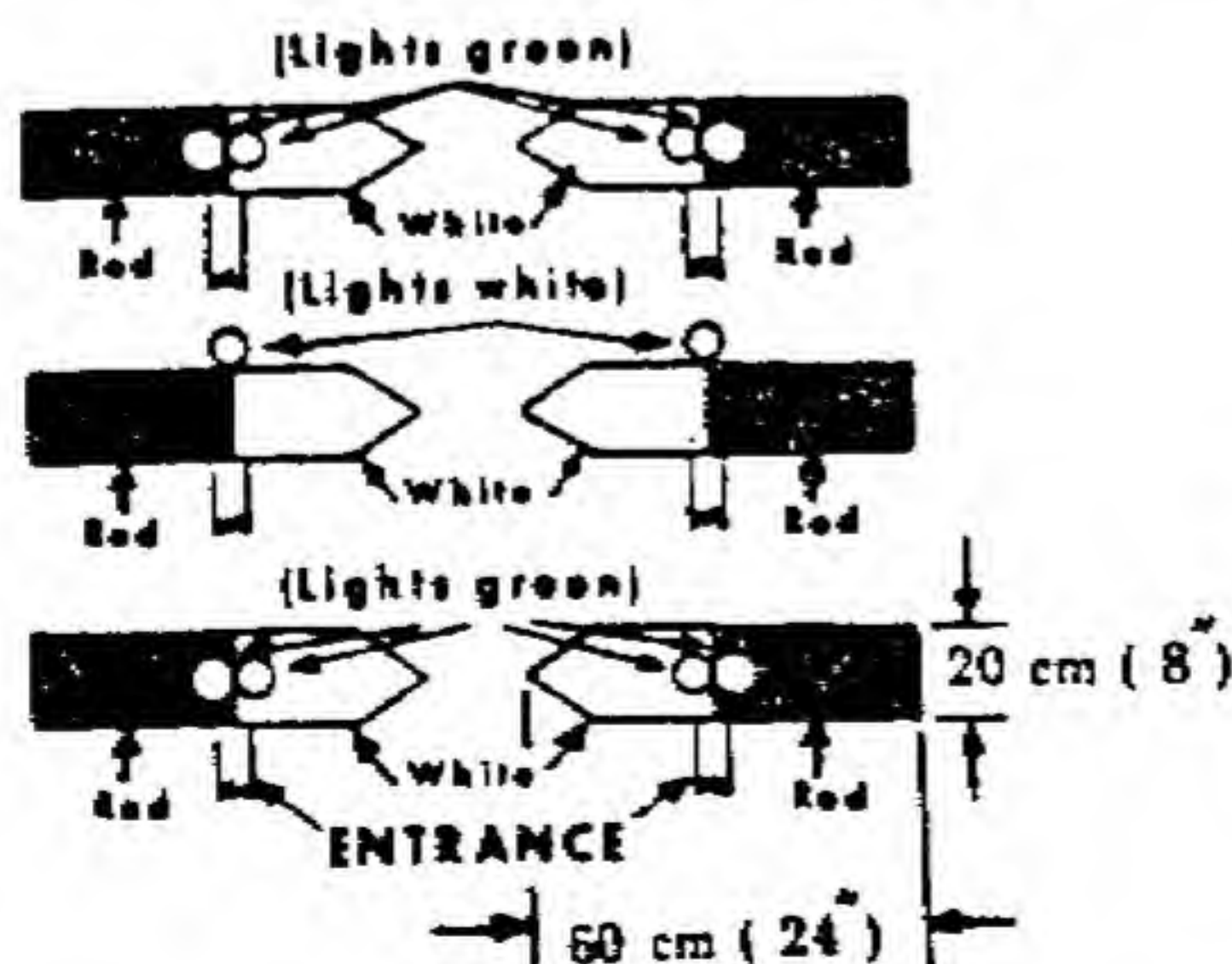
BACKSIDE OF SIGNS RED WITH NO OTHER MARKINGS





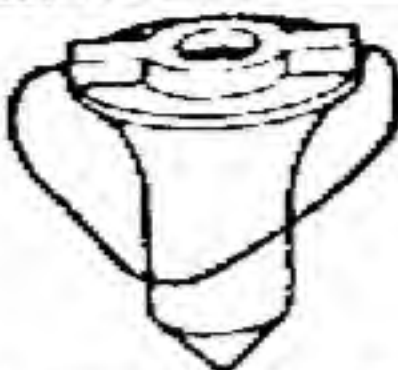





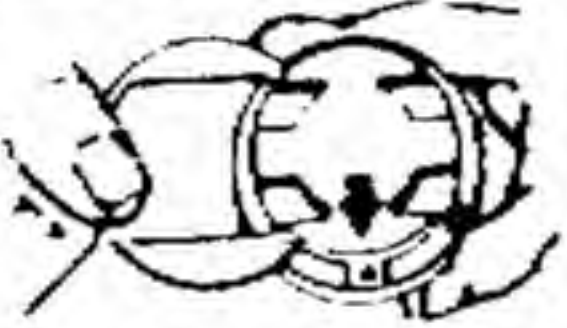
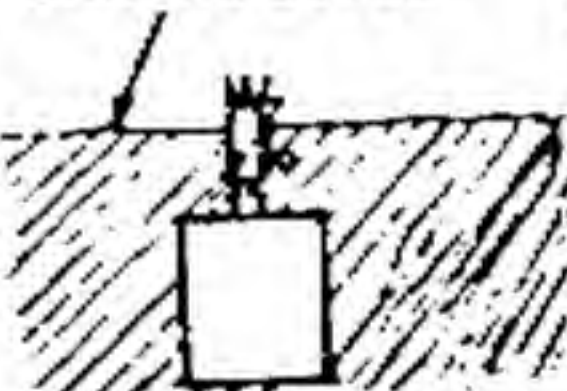

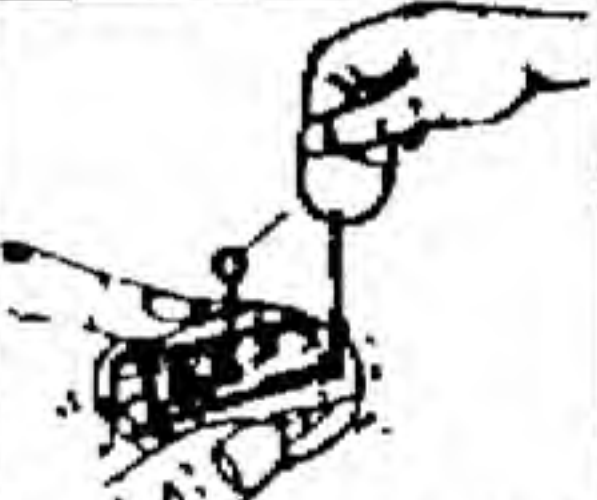

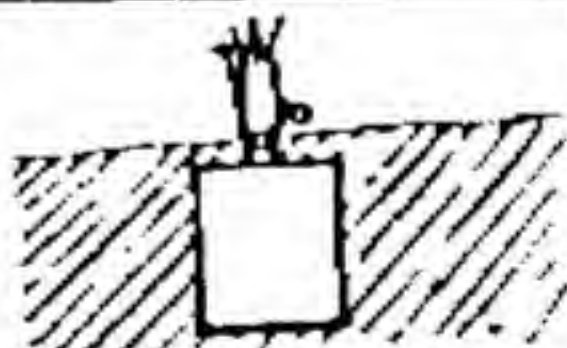
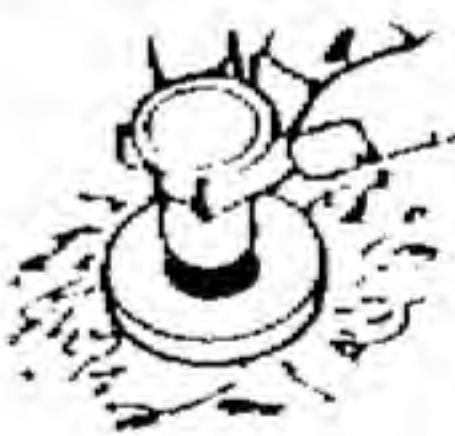
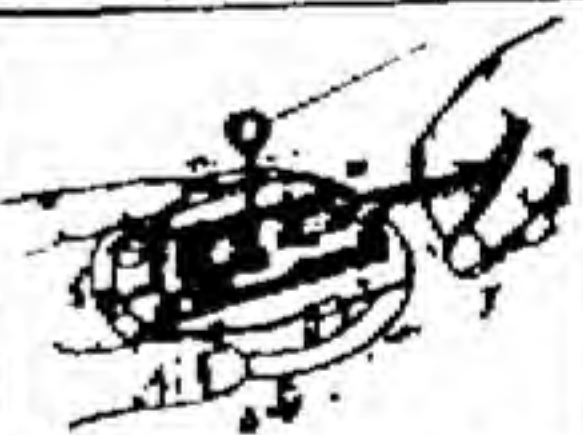

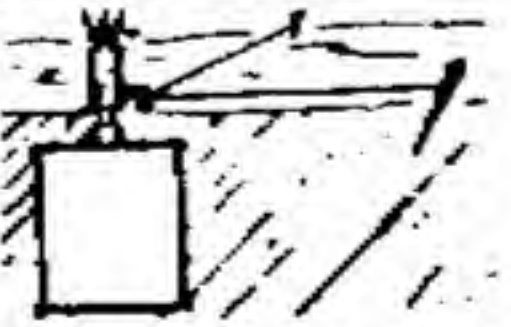
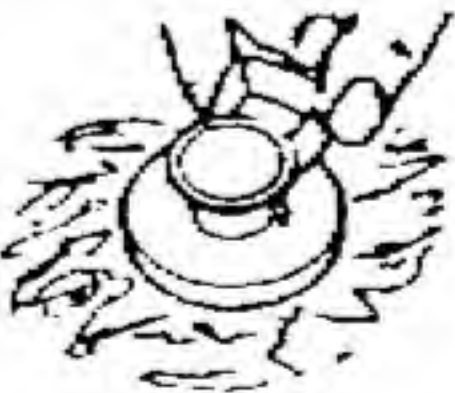


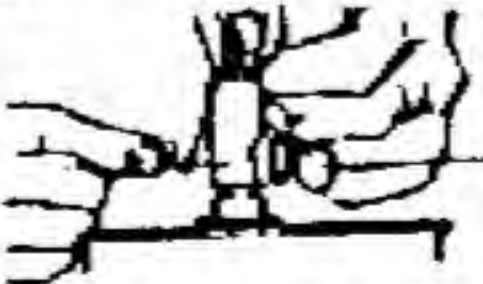
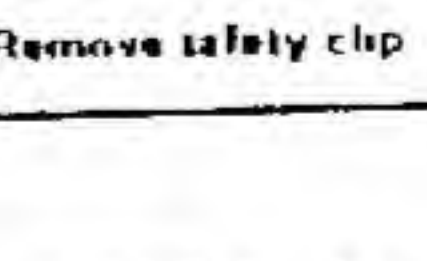
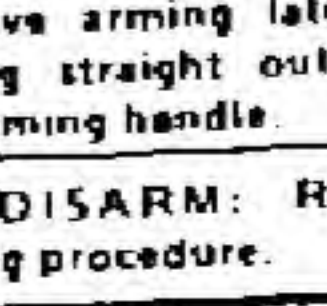
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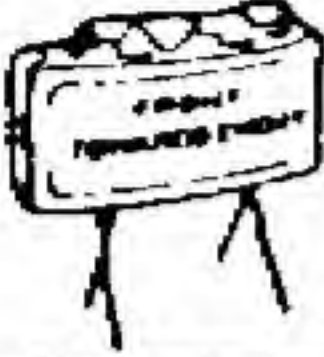
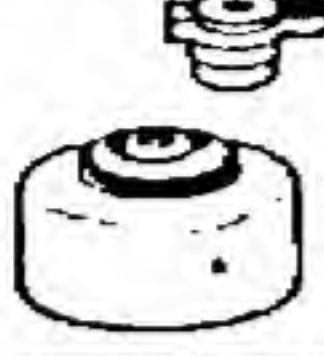

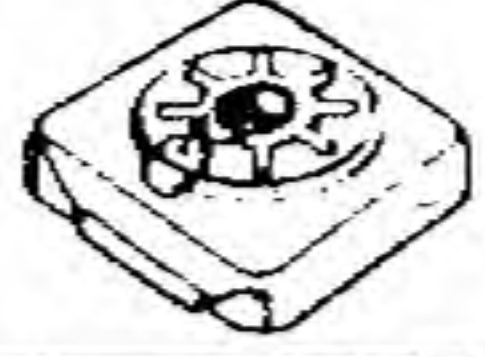


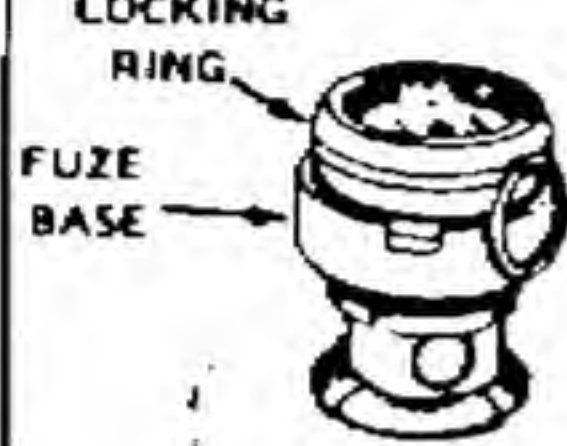

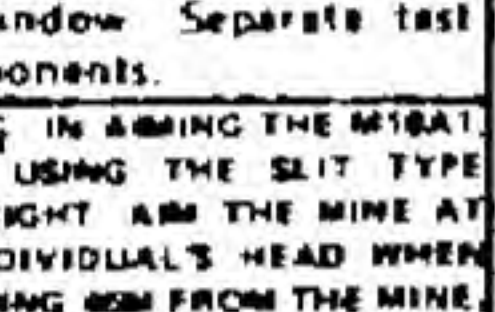
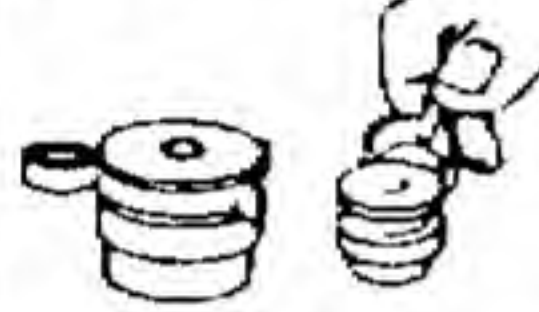

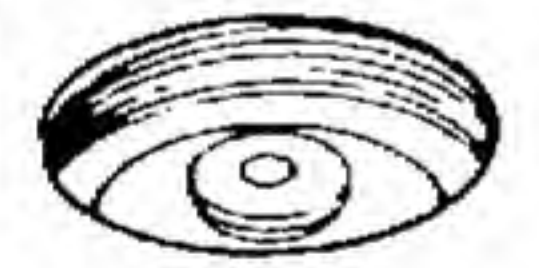
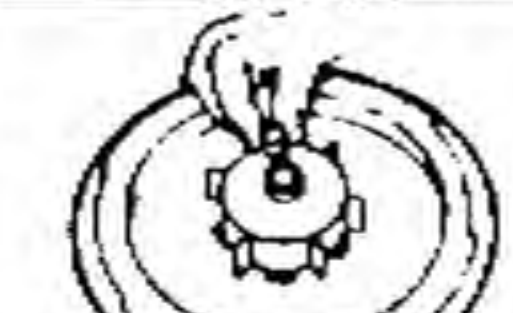

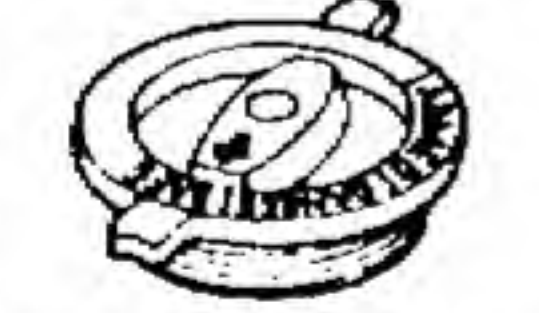
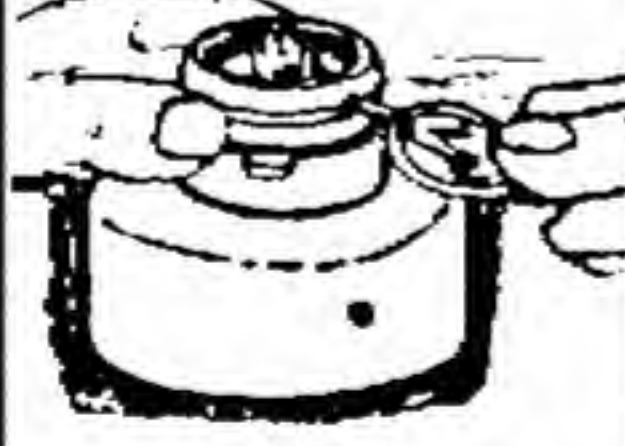

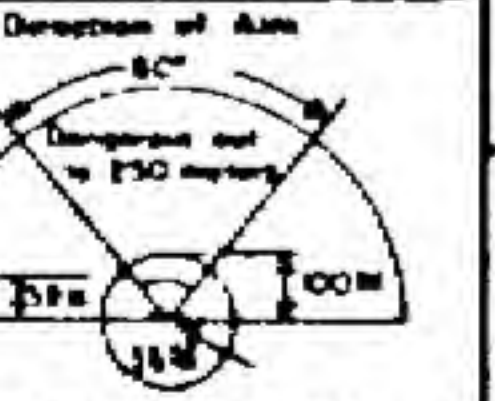


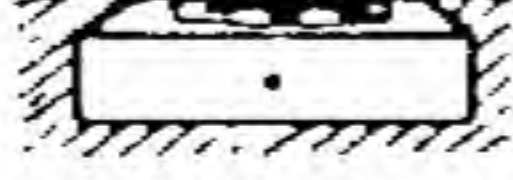
WIRE FENCING FOR MINEFIELD CONTAINING CHEMICAL MINES

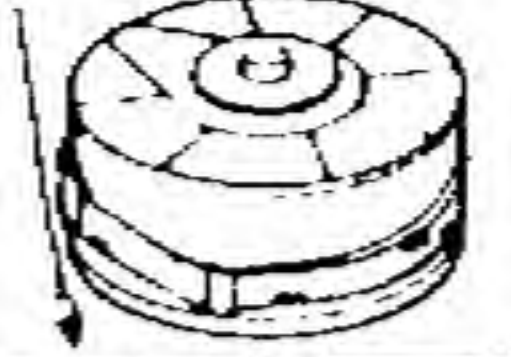


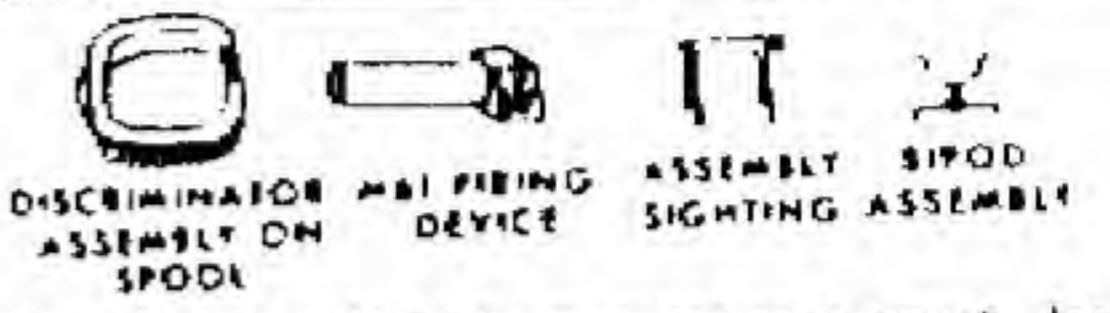


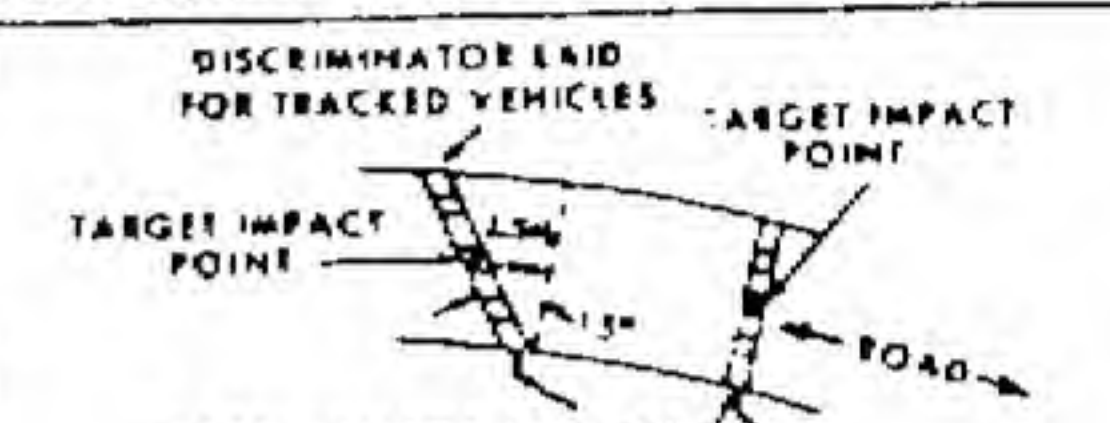


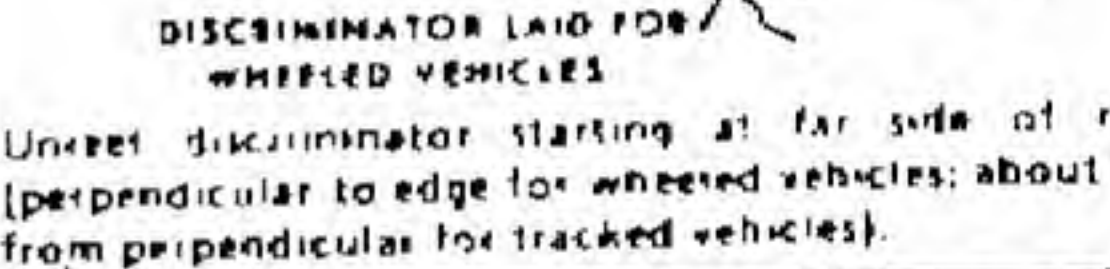
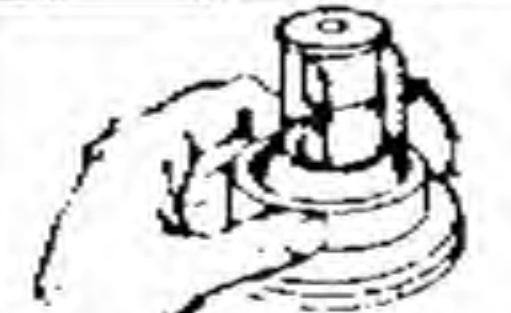
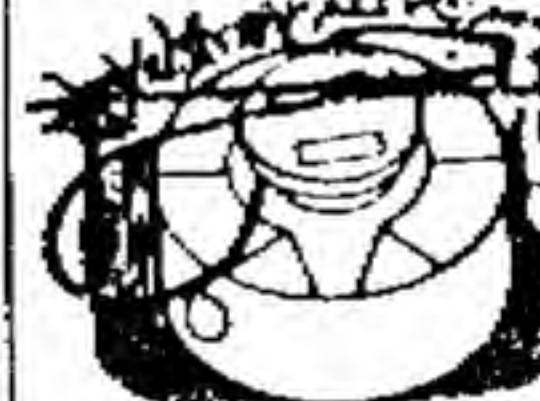
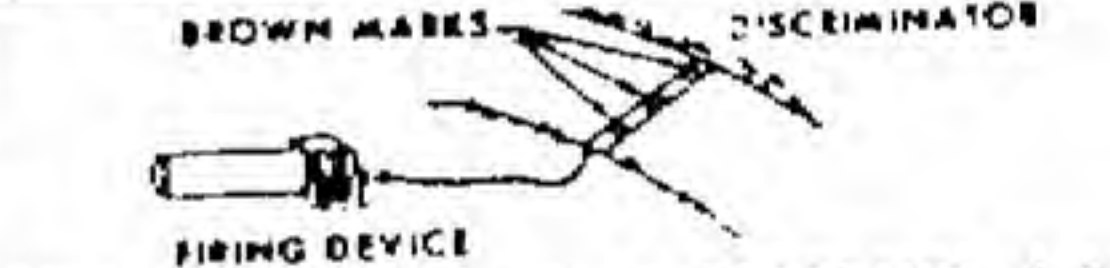
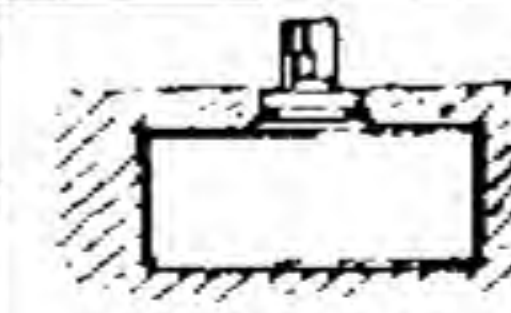
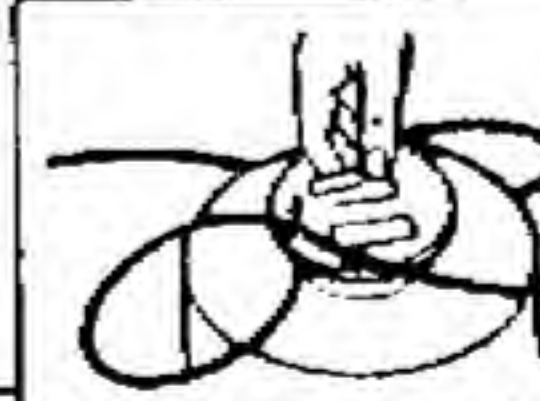
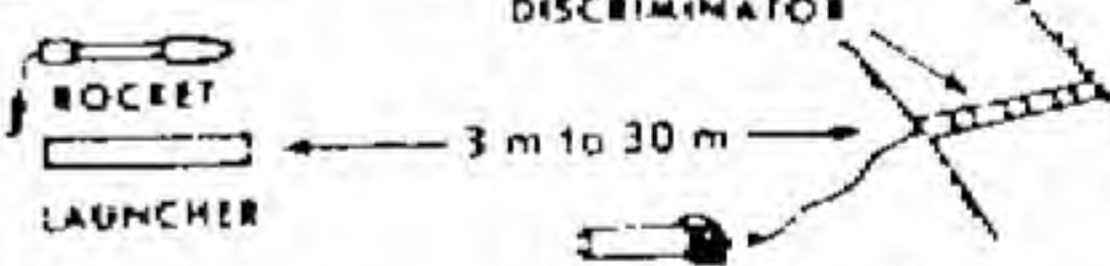


(HIGH EXPLOSIVE MINES IMPLIED)

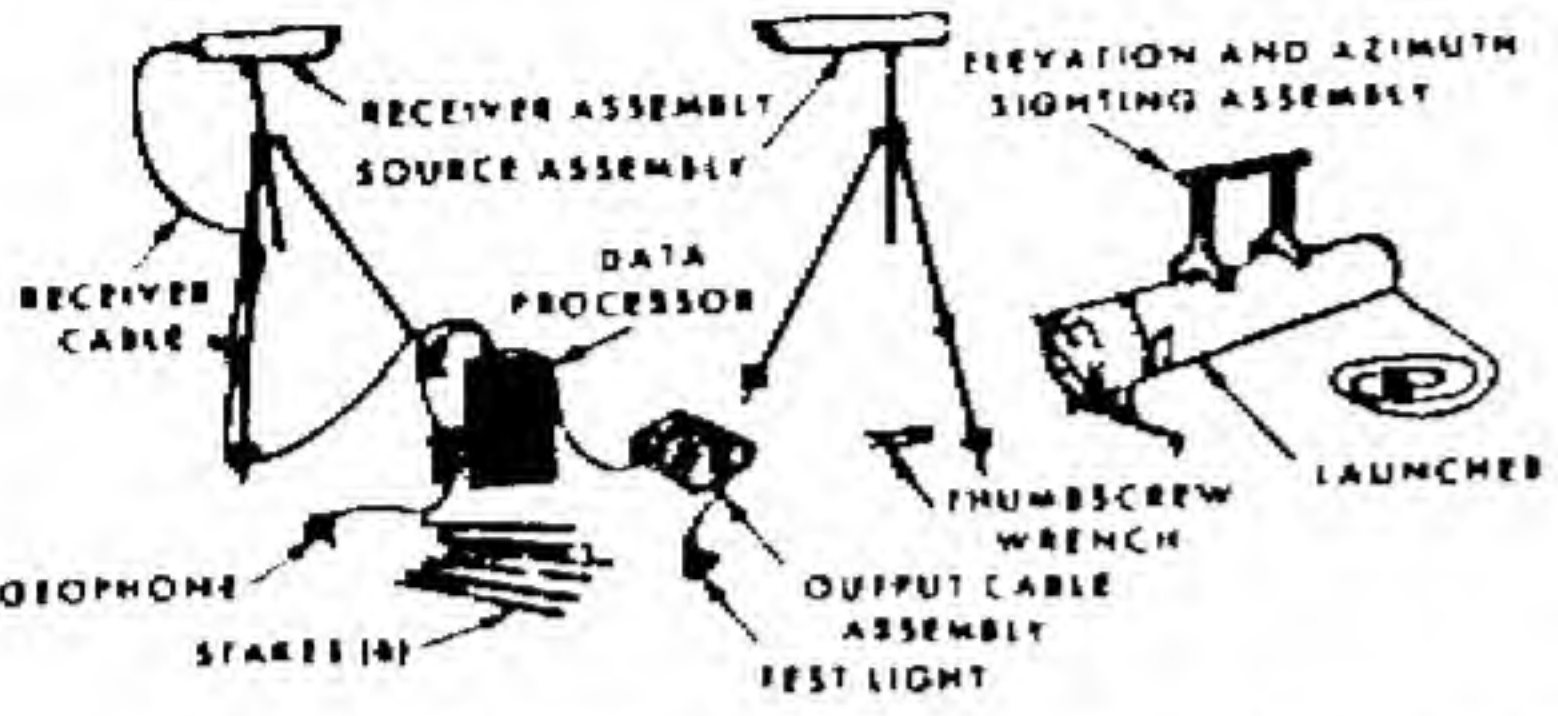
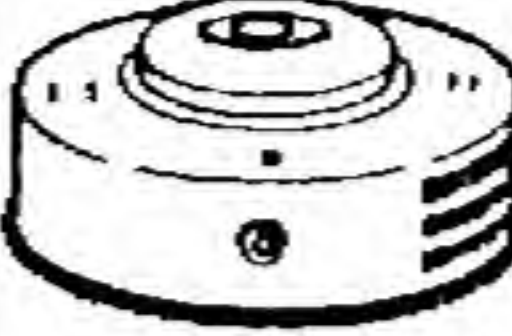

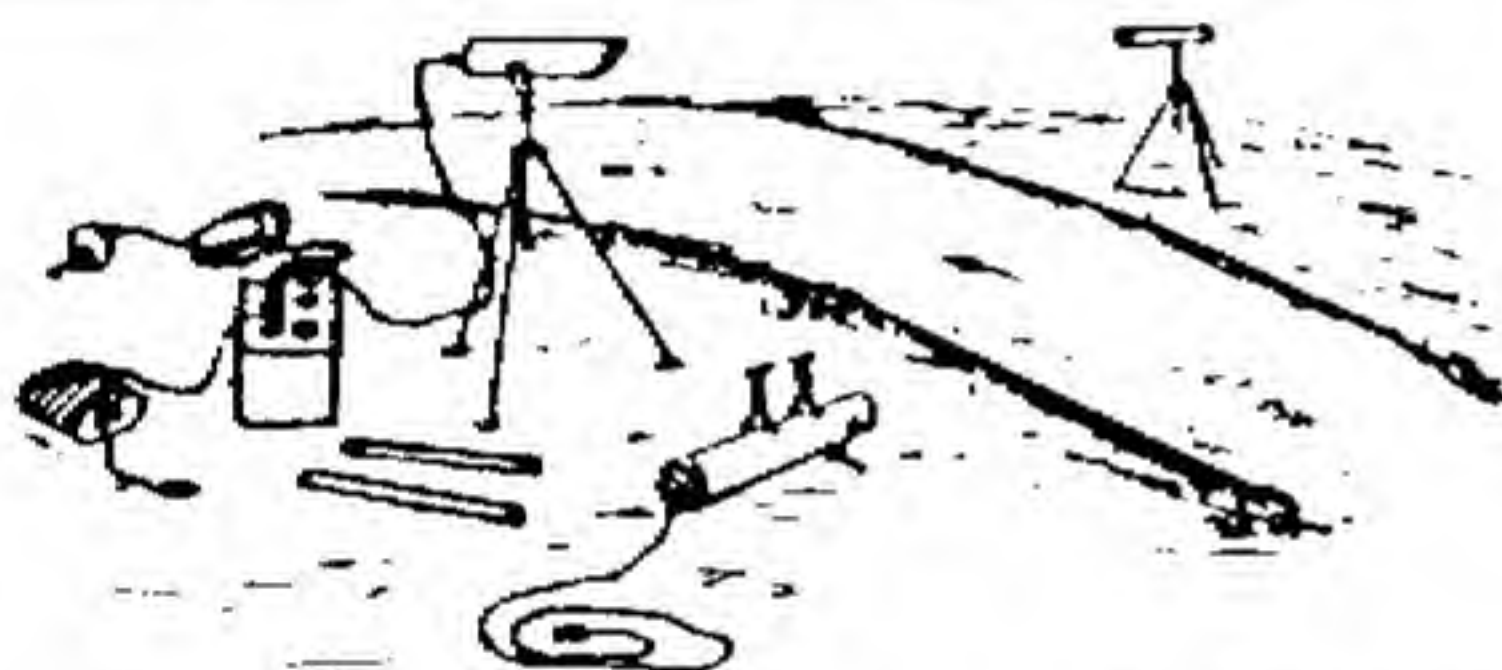
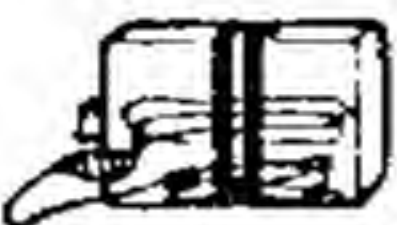

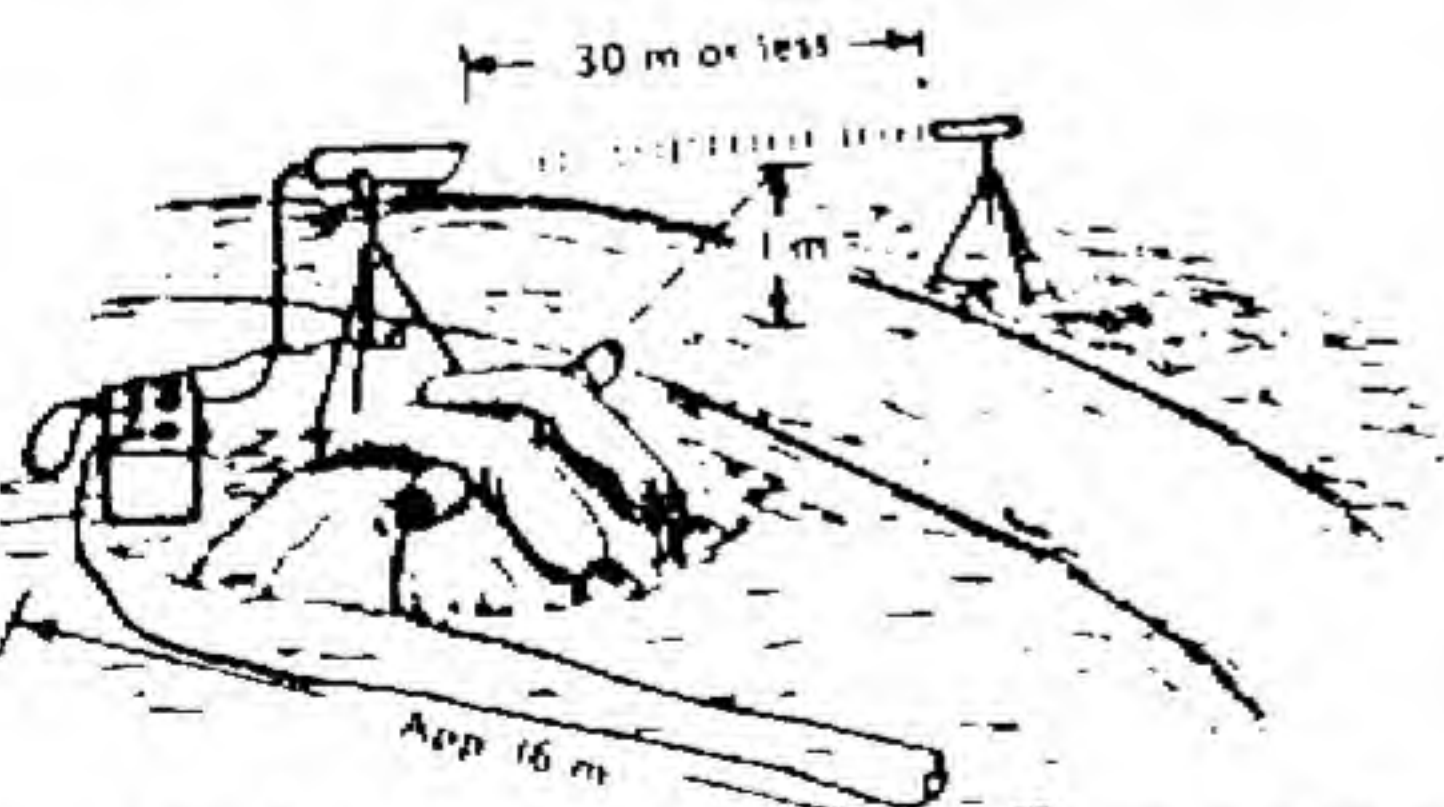
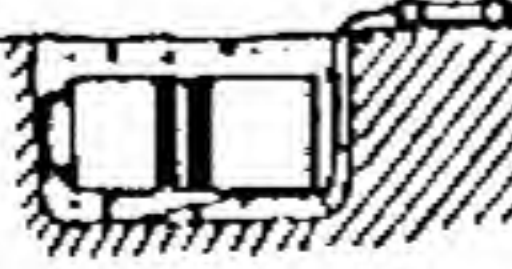


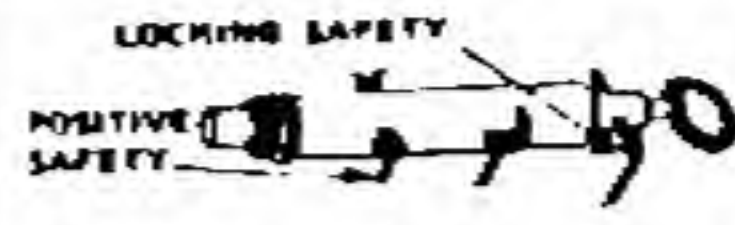

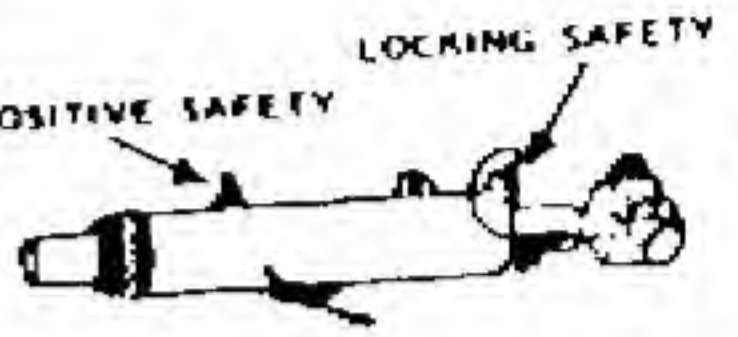
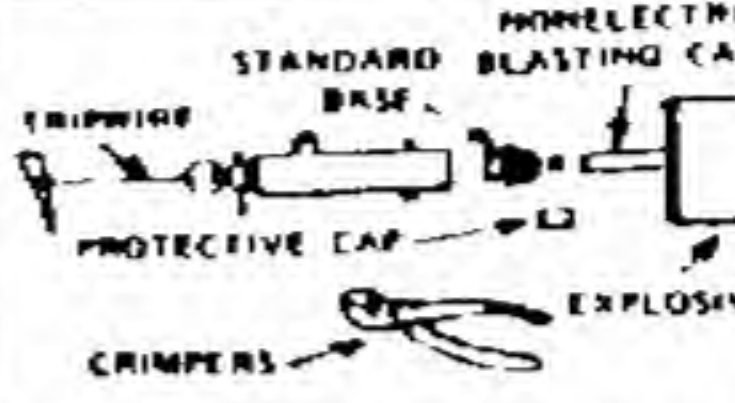
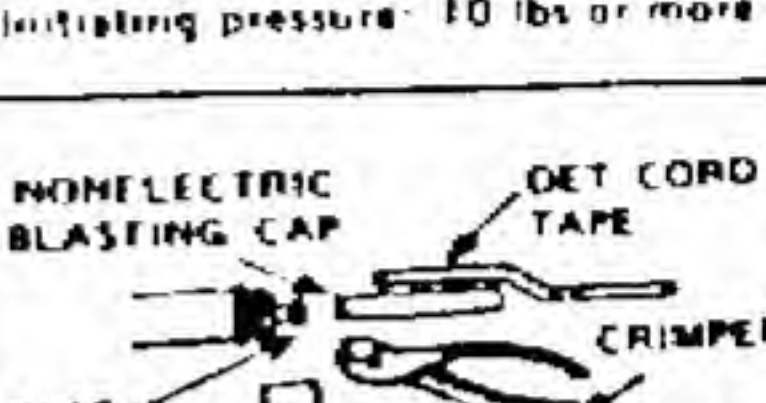


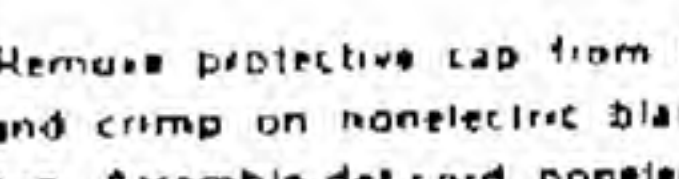
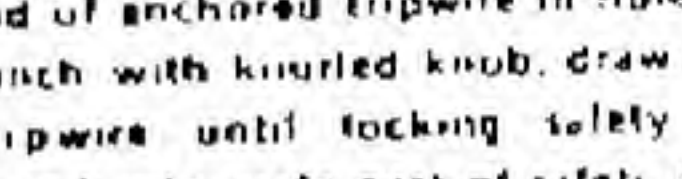
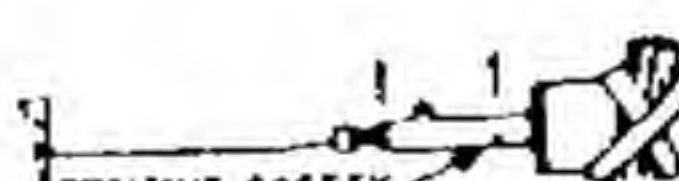



STANDARD REAR AREA LANE MARKING

M14 BLAST ANTIPERSONNEL MINE	M16A1 BOUNDING ANTIPERSONNEL MINES	M25 BLAST ANTIPERSONNEL MINE (ELSIE)	M26 ANTIPERSONNEL MINE
			
Wt 3 1/3 oz. Explosive ... 1 oz. TETRYL Fuze integral (with Belleville Spring) Functioning 20 to 35 lb. Penetrates Boot & Foot	Wt 8.25 lb. Projectiles Steel Fuze M605 [Combination] Functioning: Pressure ... 8 to 20 lbs PuH 3 to 10 lbs Bounding Ht .6-1.2m Casualty radius 30m	Wt 2 3/4 oz. Explosive ... 1/3 oz. shape charge Fuze integral (w/ball release) Functioning.. 14 to 26 lbs Penetrates Boot & Foot	Wt 2.2 LBS Projectiles Pellets Fuze integral Functioning: Pressure 14-28 lbs Pull 4-8 lbs Bounding Ht 3m Casualty Radius 17m
			
Unscrew shipping plug from bottom of mine. Turn pressure plate to ARMED position with arming tool.	Remove shipping plug and screw in fuze.	Push mine into ground. Keep dust cap in place. If ground is hard, dig hole with bayonet.	Remove arming handle. (If tripwire is to be used install trip-lever; attach slack wire to lever; and) place mine in ground flush with top of ground.
			
Remove safety clip and check for malfunctioning.	GROUND LEVEL Pressure installation	Remove dust cap.	Remove arming latch retaining pin.
			
Replace safety clip.	Tripwire installation	Insert charge.	Attach arming handle to lugs on arming latch. rotate the cover clockwise until it comes to a positive stop (the arrow will point to the red letter "A" armed).
			
Screw detonator into detonator well.	Attach tripwires - first to anchor, then to pull ring.	Remove safety clip	Remove arming latch by pulling straight out with the arming handle.
			
Bury mine and remove safety clip.	Remove locking safety pin first. The interlocking pins should fall free. Then remove positive safety	TO DISARM: Reverse arming procedure.	TO DISARM: Reverse arming procedure.
TO BURY: Pressure plate should be slightly above ground level. TO DISARM: insert safety clip and remove detonator. CAUTION: Repeated turning of arming dial may cause excessive wear.	TO DISARM: Reverse arming procedure.		

M18A1 FRAGMENTATION ANTIPERSONNEL MINE	M15 HEAVY ANTITANK MINES	M15 ANTITANK MINE USED WITH M608 FUZE	M19 PLASTIC HEAVY ANTITANK MINE
			
Wt. 3.5 lbs. Explosive 1.5 lb. C4 Projectiles 700 (steel balls) Equipment: One electric cap 30m firing wire per mine. One electric firing device per mine. One Tester per 5 mines.	Wt. 30 lbs. Explosive 22 lbs. Fuze M603 Secondary fuze wells ... 2 Functioning 300 to 400 lbs	Functioning ... 200-350 lbs for 250-450 milliseconds. Resistant to blast type countermeasures.	Wt. 28 lbs. Explosive 21 lbs. Fuze M606 integral (with pressure plate) Secondary fuze wells ... 2 Functioning: 350 to 500 lbs
 TEST CIRCUIT: Mate firing device, circuit tester and blasting cap. Depress handle. Light should show in window. Separate test components.	 Remove plug and inspect fuze well.	 LOCKING RING FUZE BASE	 Remove pressure plate-fuze
 AIMING: IN AIMING THE M18A1, WHEN USING THE SLIT TYPE PEEP SIGHT, AIM THE MINE AT AN INDIVIDUAL'S HEAD WHEN STANDING 50M FROM THE MINE. WHEN USING THE KNIFE EDGE SIGHT, AIM THE MINE AT AN INDIVIDUAL'S FEET WHEN STANDING 50M FROM THE MINE.	 Inspect fuze and remove safety.	Remove plug and inspect fuze well. Insure fuze is in SAFE position. Thread fuze into mine.....HAND TIGHT.	Remove shipping plug; check position of striker (offset). Remove safety fork, then turn dial to ARMED position. Check position of striker (center). Turn to SAFE and replace safety fork.
 Remove shipping plug-priming adapter, insert blasting cap and screw into either cap well.	 Insert fuze.	Held fuze to prevent rotating, turn locking ring down until it locks against pressure plate.	 Screw threaded detonator into detonator well.
 Unroll firing wire and connect directly to firing device with safety engaged.	 Replace plug with dial in safe position.	 Place mine in hole and remove pull pin from fuze.	 Place mine in hole, remove safety fork; and turn dial to ARMED.
 FIRING POSITION: A minimum of 16 meters from rear of mine to fox hole. Friendly troops at side and rear should be under cover at a minimum of 100 meters.	 Turn dial to ARMED	 Turn dial from SAFE to ARMED.	 Complete camouflage
TO FIRE: Disengage safety bail and depress handle.	TO BURY: Put mine in hole with pressure plate at or slightly above ground level.	TO DISARM: Reverse procedure except DO NOT replace pull pin.	TO BURY: Put mine in hole with pressure plate at or slightly above ground level.
TO DISARM: Reverse arming procedure.	TO DISARM: Reverse arming procedure.	TO DISARM: Reverse arming procedure.	TO DISARM: Reverse arming procedure.

M21 METALLIC (KILLER) ANTITANK MINE	M21 ANTITANK MINE USED WITH M612 FUZE	M24 OFF-ROUTE ANTITANK MINE
		 INSTALLING AND ARMING DISPENSER POUCH ACCESSORIES POUCH
Wt. 18 lbs. Explosive 10.5 lbs. Fuze M607 Functioning 290 lbs. [Pressure on pressure ring or 20" deflection of tilt rod]	Has two 2 3/4m pneumatic leads, safety latch and arming lever.	 DISCRIMINATOR M61 FIRING ASSEMBLY ON DEVICE SIGHTING ASSEMBLY SPOOL Remove above items from accessories pouch. Insert batteries (issued separately) in firing device.
 Remove closing plug, insert M120 booster in bottom, and replace closing plug.	 Remove closing plug, insert M120 booster.	 DISCRIMINATOR LAID FOR TRACKED VEHICLES TARGET IMPACT POINT ROAD
 Remove closure assembly from fuze.	 Remove shipping plug from mine. Screw in fuze.	 DISCRIMINATOR LAID FOR WHEELED VEHICLES Unreel discriminator starting at far side of road (perpendicular to edge for wheeled vehicles; about 15' from perpendicular for tracked vehicles).
 Remove shipping plug from mine and screw in fuze, then screw in tilt rod extension.	 Bury mine. Cross and extend hoses.	 BROWN MARKS DISCRIMINATOR FIRING DEVICE Attach discriminator wire to DETECTOR of firing device (toggle switch on SAFE). Stand on two brown marks on discriminator nearest firing device. If lamp lights, circuit is good, otherwise, discard system.
 Bury mine.	 Lift safety latch and turn arming lever to ARMED. Recross hoses.	 DISCRIMINATOR ROCKET LAUNCHER 3 m to 30 m
 Remove safety (pull ring assembly) and complete camouflage.	 Complete camouflage.	Disconnect discriminator wire from firing device. Remove launcher from dispenser pouch and place in position. Remove packing blocks, push rocket forward to safety band, and remove band. Depress ejection pin and push rocket back into launcher until contact ring is exposed at base. Grounding clip must be connected. Remove tagged shipping clip and push rocket back into launcher. Tape plastic covers over ends of launcher.
For pressure type mine bury with fuze cap flush with ground surface. Tilt Rod-mines should be seated firmly in snug-fitting hole. Most effective in tall brush or grass.	Timer provides a 30 ± 5 minute safe separation period. Both leads must be depressed for initiation.	Position launcher on bipod assembly or mound of earth. Mount sighting assembly and sight along discriminator to target impact point about 1m above road (soldier's belt buckle.) To aim, move launcher, not sight. Fill poucher with dirt, lay over launcher, recheck sight, remove sight, re-connect discriminator wire to firing device (light out), connect rocket cable to firing device, and push toggle switch to ARM. The system is now armed and will fire when pressure is applied to the discriminator. See TM 9-1345-200.
TO DISARM: Reverse arming procedure.	TO DISARM: Reverse arming procedure.	TO DISARM: Reverse arming procedure.

M66 OFF-ROUTE ANTITANK MINE	M23 AND M1 1 GALLON CHEMICAL LANDMINES
 <p>Assemble tripods, source and receiver assemblies. Install battery in source assembly.</p>	 <p>When armed for pressure detonation, emplace in same manner as the M15 antitank mine.</p> 
 <p>Select well camouflaged sites across road. Aim source assembly at receiver and about 1 meter above road center. Stake legs of tripod to ground. Aim receiver at source assembly. Connect Geophone cable, output cable w/test light, and receiver assembly cable to data processor. Install batteries in data processor. Hold Geophone steady and place hand in front of receiver. If test light functions system is operative (if light does not function check connections and source/receiver alignment). Disconnect Geophone and place hand in front of receiver. Test light should not function (if light functions system is inoperative and should not be used). If light does not function connect Geophone cable and press spike into ground.</p>	<p>Wt. 11 lb. loaded, has a 1.2m length of detonating cord for burster charge. May be armed for electric or tripwire actuation.</p> <p>Electric Firing</p>  <p>Attach burster charge—1.2m length of detonating cord—to side of mine.</p>  <p>Bury mine 40cm and attach detonating cord to controlled firing system.</p>
 <p>Unwind firing cable from rocket, slide rocket forward from launcher enough to remove safety. Depress ejection pin and slide back into launcher. Position launcher and sight on impact point 1m above road center on source/receiver line. Secure launcher with sandbags. Position output cable and firing cable as shown. Test light should not function. If it does recheck connections and source/receiver alignment. Remove shorting plug and connect cables.</p> <p>WARNING: Make sure all personnel are clear of launcher when testing circuits.</p>	<p>Nonelectric Firing</p>  <p>Bury mine as above and attach nonelectric detonator to burster.</p> <p>WARNING: Soldiers preparing, laying, and removing chemical landmines must wear protective clothing.</p>

M1 PULL FIRING DEVICE	M1A1 PRESSURE FIRING DEVICE	M3 PULL-RELEASE FIRING DEVICE
 <p>INITIATING ACTION: 3 to 5 lb pull on tripwire.</p>	 <p>Initiating pressure: 10 lbs or more.</p>	
 <p>Remove protective cap from standard base and crimp on nonelectric blasting cap. Attach firing device assembly to charge. Attach anchored tripwire.</p>	 <p>Remove protective cap from base and crimp on nonelectric blasting cap. Assemble det cord nonelectric blasting cap, and firing device.</p>	 <p>Remove protective cap and crimp on a nonelectric blasting cap. Attach firing device assembly to anchored charge (must be firm enough to withstand pull of at least 6-10 lbs pull on tripwire). Put free end of anchored tripwire in hole in winch with knurled knob, draw up tripwire until locking safety is pulled into wide part of safety pin hole.</p>
 <p>TO ARM: Remove locking safety pin first, and positive safety pin last.</p>	 <p>TO ARM: Remove safety clip. Then positive safety pin.</p>	 <p>TO ARM: With cord, remove small cotter pin from locking safety pin, and withdraw locking safety pin. If it does not remove easily, adjust winch winding. With cord, pull out positive safety pin.</p>
 <p>TO DISARM: Insert nail, length of wire, or original safety pin in positive safety pin hole first. Then insert similar pin in locking safety pin hole. Cut tripwire and separate firing device and explosive. Unscrew standard base.</p>	 <p>TO DISARM: Insert wire, nail or original pin in positive safety hole. Replace safety clip, if available. Unscrew base assembly from firing device.</p>	<p>TO DISARM: THE M3 IS DANGEROUS TO DISARM. IT SHOULD BE BLOWN IN PLACE.</p> <p>NOTE: If the device must be disarmed proceed as follows: Insert length of wire, nail or original pin in positive safety pin hole. Then insert length of wire, nail or original pin in locking pin hole. Disassemble tripwire, firing device and explosive.</p>
 <p>The M1 pull firing device can be used as an antihandling device on the M15 or M19 AT mines. The arming procedures are the same as above. The device is employed in the side fuze well and a tripwire attached from the M1 to a stake secured underground near the mine.</p>		

M5 PRESSURE-RELEASE FIRING DEVICE	M49A1 TRIP FLARE	HASTY PROTECTIVE MINING
<p>RELEASE PLATE SAFETY PIN INITIATING ACTION Lifting 1.59 cm or removing restraining weight (5lb or more)</p>	<p>Burning period 55 to 70 sec Illumination radius 300m Initiated by fast or loose tripwire</p>	<p>1. Hasty protective minefields are generally laid by small unit commanders at outposts, work sites, bivouac areas, or ambush sites. They may also supplement manned weapons, prevent tactical surprise, or give early warning of enemy advance.</p> <p>2. Mines should be readily detectable and removable and be sited across likely avenues of approach within range of organic weapons and visual observation.</p> <p>3. Depending on the situation, the field should be marked by signs or fences or have guards to warn friendly troops.</p> <p>4. The hasty protective minefield should be recorded on DA Form 1355-1 (page 8). If not available a form should be improvised. The unit that installs the field should warn adjacent units if possible, and inform higher headquarters. This unit must remove the field before leaving the area or transfer the responsibility to the relieving unit commander.</p>
<p>NONELECTRIC BLASTING CAP CRIMPER STANDARD BASE LENGTH 10-GAGE WIRE PLYWOOD PRESSURE BOARD</p>	<p>Attach flare to post, tree, etc. Attach tripwire to anchor, then to trigger. Pull trigger to vertical position and secure.</p>	<p>RULES FOR A STANDARD PATTERN MINEFIELD</p> <p>TRIPWIRES</p> <ol style="list-style-type: none"> 1. No tripwires in the IOE 2. Tripwires employed on the enemy side of the strip only. 3. No more than two tripwires per cluster 4. No more than one tripwire mine per cluster 5. Tripwires no closer than 2 meters from any safety lane 6. Tripwires no closer than every third cluster <p>CLUSTER COMPOSITION</p> <ol style="list-style-type: none"> 1. No more than 5 mines per cluster 2. No more than 1 AT mine per cluster 3. First cluster always on enemy side of strip.
<p>AT MINE HEAVY WIRE THIN WIRE</p> <p>TO ARM- Remove thin wire (locking safety) and then heavy wire (positive safety) from interceptor hole. FOLLOW ARMING PROCEDURE CAREFULLY</p>	<p>TO ARM Remove safety clip. TO DISARM Insert safety pin.</p>	
<p>HEAVY WIRE</p> <p>TO DISARM Insert length of heavy gage wire in interceptor hole. Bend wire to prevent dropping out. Proceed carefully, as the slightest disturbance of restraining weight may detonate mine. Disassemble firing device and mine.</p>	<p>Check both ends of tripwire and cut near trigger</p> <p>WARNING Never look directly at burning flare. Note: For loose tripwire initiation, attach tripwire to eye of safety pin.</p>	

HASTY PROTECTIVE MINEFIELD RECORD

(FM 20-32)

INSTRUCTIONS

1. DETERMINE AS EARLY AS POSSIBLE REFERENCE POINT ON THE GROUND. LINES A STUMP, A STAKE IN THE GROUND, OR THE POINT OF A BLANK FENCE OR THE REVERSE OF A FENCE IN THE CENTER POINT OF THE CIRCLE TO THE DESIGNATED REFERENCE POINT ON THE GROUND.
2. THE REFERENCE POINT TO A LAND MARK, SUCH AS A HILL, RIVER, BRIDGE, TOWER, ETC.
3. COMPLETE THE AZIMUTH BLOCK.
4. COMPLETE THE FOLLOWING INFORMATION IN THE IDENTIFICATION BLOCK UNIT REF. PT. REMARKS MAP AND SHEET NO. NAME (NAME OF UNIT).
5. STARTING FROM THE REFERENCE POINT, RECORD THE MAGNETIC AZIMUTH IN DEGREES (1) AND DISTANCE IN PAGES (2) OF EACH LEG FROM THE REFERENCE POINT TOWARD THE ENEMY POSITION AND FROM RIGHT TO LEFT OR LEFT TO RIGHT ACROSS EACH ROW OF MINES. HOWEVER, ALL ROWS MUST BE RECORDED IN THE SAME DIRECTION. WHICHEVER DIRECTION IS USED THE STARTING POINT OF THE ROWS MUST BE MARKED A1, B1, ETC. AND THE ENDING POINTS MARKED A2, B2, ETC. AS SHOWN IN THE EXAMPLE. EACH ROW IN EACH ROW WILL BE NUMBERED SEQUENTIALLY FROM THE STARTING POINT TO THE LAST NAME IN THE ROW.
6. FILL IN THE TABULAR BLOCK (SEE EXAMPLE).
7. FILL IN THE SCALE BEING USED WHEN SPACE IS PROVIDED. SCALE 100-1000 YARDS FILL IN THE PAGE BY READING IN THE RIGHT MARGIN.
8. MAKE ALL MINEFIELD REPORTS WITHIN 10 MINUTES OF COMPLETION. TRANSMIT AND CHANGE BY SOME SECURE MEANS.
9. NOTE WHAT HAS BEEN USED TO IDENTIFY A1 & B1, ETC. THE DRIVEN PILE, BUSH, GROUND, STEEL PICKET OR FENCE POST MARKED WITH BROWN TAPE, ETC.

SCALE: 1cm = 25 paces

AZIMUTH BLOCK

Enemy Mag North

TABULAR BLOCK

Row	Type	Ascription	Mine number
A	M49A1	TRIPWIRE	1, 2, 6
	M49A1	PRESSURE	3, 4, 5
B	M49A1	TRIPWIRE	1, 3
	M49A1	CONTROLLED	2

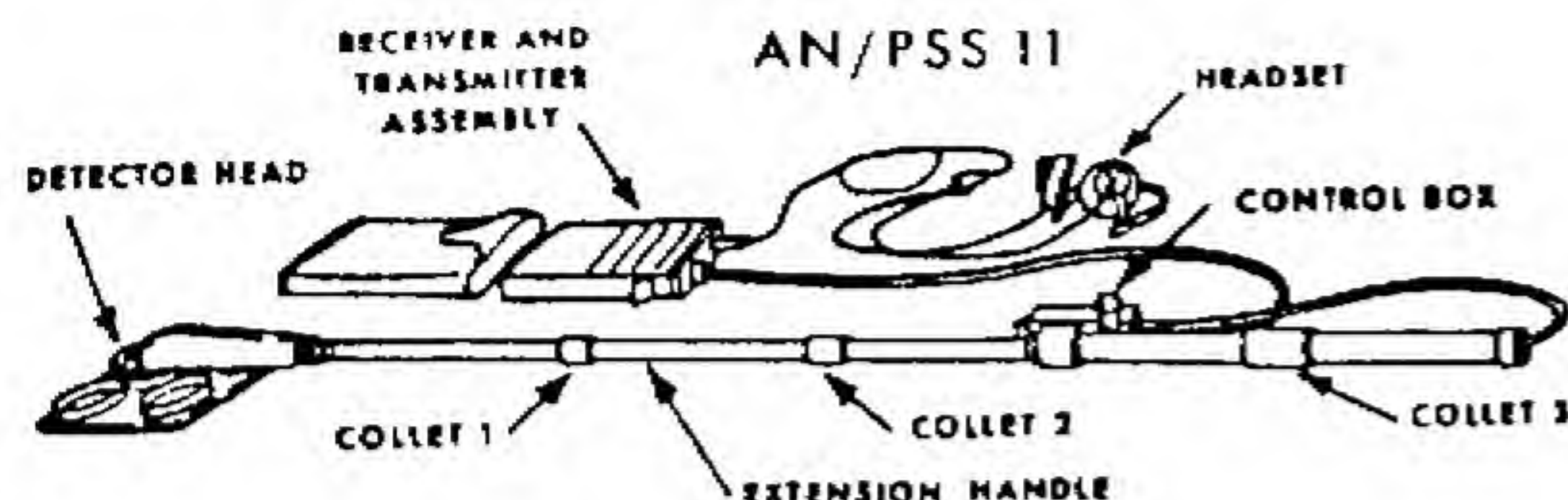
IDENTIFICATION BLOCK

Unit 2nd PLT, A Co., 1-4th 2 BDE, 1 CAV DIV
Ref Pt
U SHAPED STEEL STAKE
Remarks POINTS A1 & A2, B1 & B2 ARE MARKED WITH 2"x2" STAKES
Map & Sheet No TALBOT 556B
Name/son of OIC 1st LT MARKS
Signature S. Marks
Mines removed
Mines transferred

Remarks LANDMARK IS SE. CORNER CONCRETE BRIDGE
NA 12343409

DA Form 1355-1, 8

DETECTOR OPERATING INSTRUCTIONS



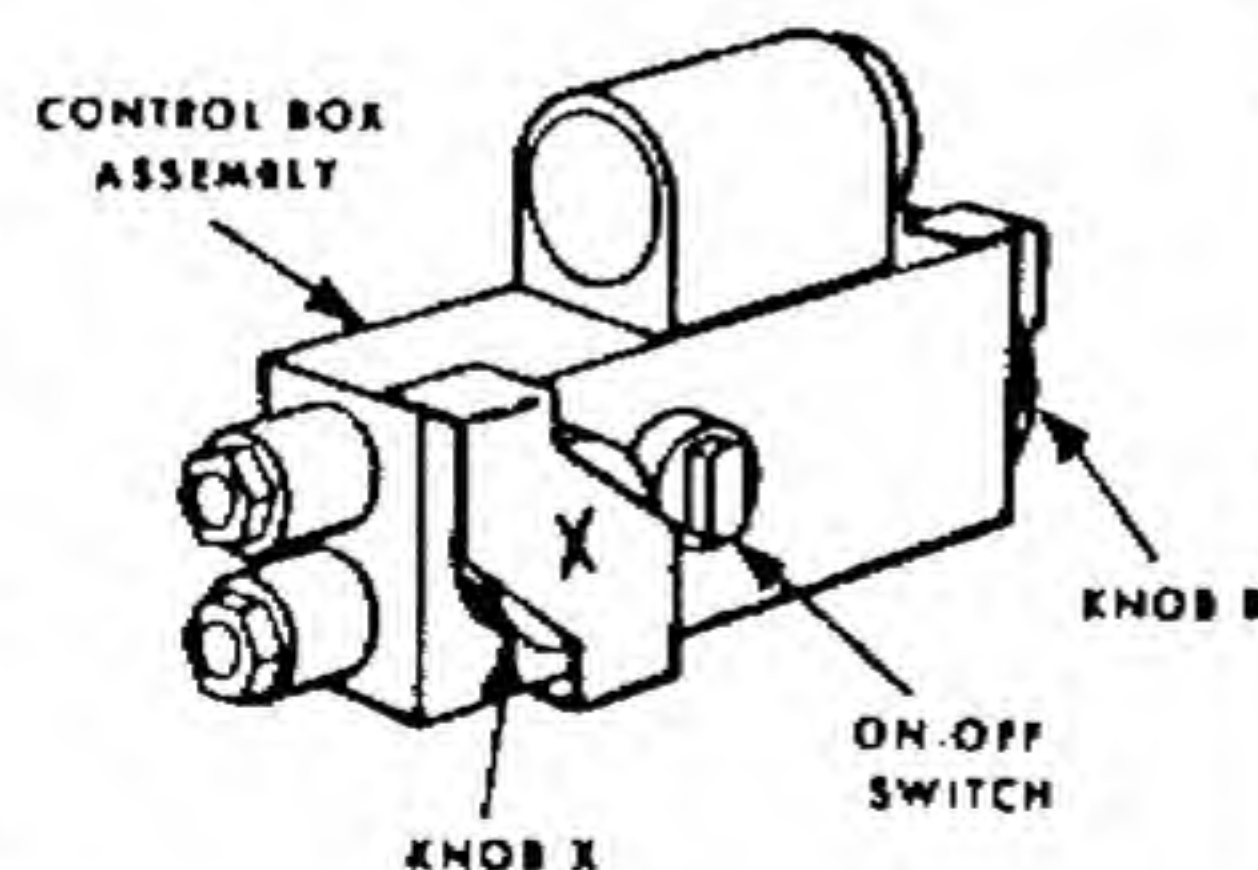
1. ASSEMBLY

- Loosen pressure release valve on front of case (opposite handle) by 2 counterclockwise turns. Then open case.
- Remove transmitter assembly, head set, and search head assemblies, and 1 silver chloride battery from case.
- Remove battery cap from receiver-transmitter case and insert battery — negative end first or detector will not operate. **WARNING** Never throw silver chloride battery in fire. It may explode.

- Connect extension handle to search head assembly. Pull back on collar to expose key pin, then line pin with slot on lock ring, and slide collar forward.
- Extend handle to proper length by loosening and pulling out extensions and retightening collars.
- Attach audio frequency receiver-transmitter assembly carrying case to standard pistol belt by means of keeper and slide provided.
- Put head set on operator, making sure that pressure on earcups is enough for a partial seal against external noises.

2. TUNING

- With head set on, hold search head 1.5 m above ground away from all metal.
- Turn ON-OFF switch to intermediate position.
- Turn both Knob X and Knob R as far as possible either clockwise or counterclockwise. Back off Knob R exactly 5 full turns. Then adjust Knob X to obtain a minimum null signal.
- If there is no signal:
 - Check battery for correct installation and inspect cables and all connections for breaks.
 - Check color-coded modules for faulty operation by process of elimination. Each module has different plug-in pins. (A complete set of extra modules is included in carrying case).



3. SWEEPING

- Sweep in a 3m swing. This gives a 2m clearance with a 5m overlap on each side.
- Adjust position controls for proper operation.
 - LOW POSITION** Used in areas containing shrapnel or metallic fragments. Hold search head 2 to 8 cm above ground. Detector will signal only large objects at this adjustment.
 - INTERMEDIATE POSITION** Used in areas strewn with small metal fragments to search for small anti-personnel mines.

Hold search head 2 to 8 cm above ground. At this adjustment, detector is more sensitive than at low position.

(3) **HIGH POSITION.** Used in nonmetallic soil to detect metal fuzed mines or nonmetallic fuzes with metal firing pieces. Hold search head 2 to 8 cm above ground. Detector is the most sensitive at this adjustment.

CAUTION: Keep detector clean and dry and the case closed to keep it from getting wet on the inside.

MINEFIELD BREACHING

- Mines located by visual inspection, probing, or electric detectors may be clearly marked and by pass, detonated in place, pulled out by rope and A frame, or hand neutralized. By passing is usually the best course of action but located mines should be clearly marked.
- Grappels are useful to detonate mines in place, especially those with trip wires and tilt-rods fuzes. Have all persons behind cover when grappel is thrown to insure against casualty if grappel detonates mine when it drops to ground.
- To detonate mines in place, trained

demolitionists may fire a 1-pound charge of explosive on top of each mine (FM 5-25).

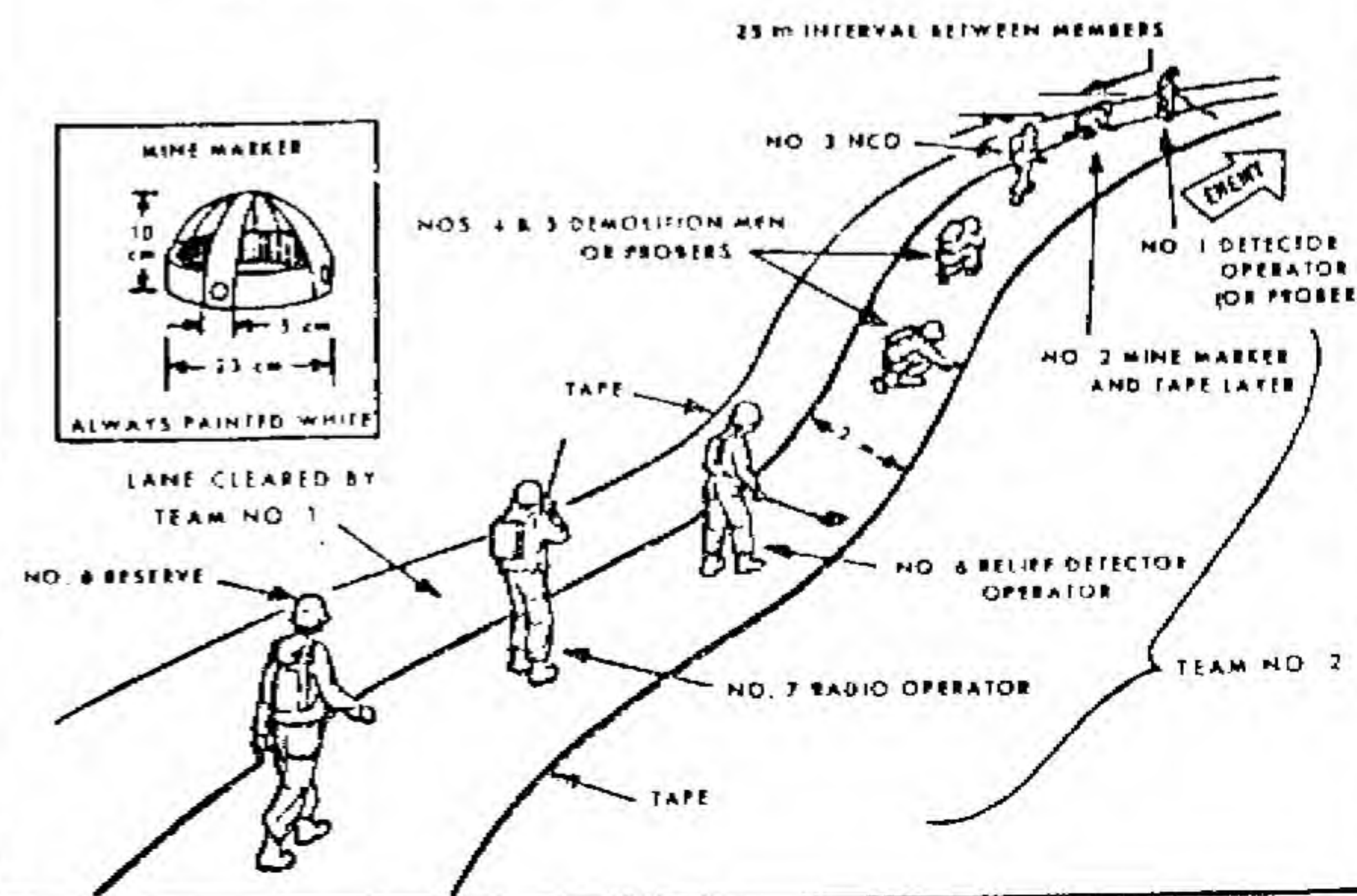
- To remove mine by rope, uncover it sufficiently to locate handle or projection to attach rope. After attaching rope, take cover about 50M away before pulling mine from hole. IF IT DOES NOT DETONATE, WAIT 30 MINUTES, then investigate.

- To remove by hand, restrict operations to only trained Engineer or EOD specialists. Being extremely hazardous, hand removal should be undertaken only when tactical situation demands it.

PLATOON ORGANIZATION FOR MANUAL BREACHING (FM 20-32)

Personnel	Officer	NCO	EM	Equipment
Officer in charge	1			Lensatic compass, map, radio, and individual weapon.
Platoon sergeant		1		Same as OIC, except no radio.
No. 1 breaching party		1	7	2 portable detectors, 2 probes, mine markers, marking tape or wire on reels, safety pins, clips, smooth wires (46 cm lengths) 1/2-1b, blocks of explosive blasting caps, detonating cord, safety fuze, fuze lighters, crimpers, and portable radio.
No. 2 breaching party		1	7	Same as No. 1 breaching party.
No. 3 breaching party		1	7	Same as No. 1 breaching party.
Support party		1	10	Same as No. 1 party, plus, sledges or mauls, hammers, pliers, wire cutters, 5 cm by 10 cm stakes at least 1.8 m long, individual weapons, litters, lane-marking signs, gauntlets, barbed wire, and stakes.
Totals	1	5	31	

DUTIES OF MEMBERS OF BREACHING PARTIES (FM 20-32)



MINEFIELD RECORD										SPECIMEN	
Authorizing Agency: CG II nd ARMD CAV DIV						Date: 060500Z JAN 1975		Specimen No: 1 OF 1		Type: DEFENSIVE	
Issuing Unit: 1 st FLT CO "A" 547 th ENGR BN(CBT)						Completion: 061800Z JAN 1975		Map Name and Scale: TALBOTVILLE 1:50,000		Sheet No. (of Sheet): L D N 6721	
Operator: LT RONALD A ADISITT 57-3230						Recorder: PSC RONALDE WIESE 39B 403946					
LANDMARKS						INTERMEDIATE MARKERS					
No. Description						No. Description					
UT 22008900 NORTHWEST CORNER OF ROAD JUNCTION T U SHAPE PICKET DRIVEN FLUSH WITH THE GROUND						THREE SHORT U SHAPE PICKETS WITH 12" LEFT ABOVE GROUND WRAPPED WITH BARBED WIRE					
UT 22059761 NORTH WEST CORNER OF BRICK BUILDING											
Description of Boundary Fence at Minefield: STANDARD MARKING FENCE (2 STRANDS) THREE SIDES OF MINEFIELD ONLY ENEMY SIDE LEFT OPEN						LAMEE					
Material of Boundary Fence: 2"x2" WOODEN STAKES DRIVEN FLUSH WITH THE GROUND WITH AN 8 PENNY NAIL DRIVEN INTO TOP OF STAKE						Width: 3M					
						How Marked: COMD WIRE PEPPERED ON & MINES STORED IN LANDMARKS - 2 U SHAPED PICKETS AT 9-M15, 27-M26, 18-M14 ENTRANCE AND AT EXIT					
ANTI-TANK MINES						ANTI-PERSONNEL MINES					
Type Type Type Total # Anti Handling Devices						Type Type Type Total #					
M15						M16 M14					
No. No. No. No.						No. No. No. No.					
34 93 26 86 0						68 68 186 172 172 267					
Total 299						Total 136 372 544 258 956					
Notes:						Notes:					
						1. JOE LINE CLUSTERS (ALL OTHERS ARE NUMBERED BUT OMITTED) I1-1, 4, 10, 15, 18, 24, 27, 28, 29, 30; I2-3, 5, 8, 13, 19, 22, 26, 27, 28, 29, I3-2, 7, 11, 16, I4-1, 3, 4, 8, 11, 14, 21, 25, 30, 33					
						2. NUMBERED OMITTED CLUSTERS: (a) FOR LAKE - IOE - NONE; A-57, 58, 59, B-46, 47, 48, C-47, 48, 49, D-49, 50, 51 (b) OTHERS EXCEPT IOE - A-1, 5 - TREES; B-90 - TREE C-87 - ROCK; D-99 - CONCRETE SLAB					
						3. CLUSTERS WITH ANTI-HANDLING DEVICES ON AT MINES: IOE - I1-27, 29, I2-19, 28; I3-16, I4-21; A-12, 56, B-35, C-25 TO D - NONE					
						4. CLUSTERS WITH TRIP WIRED AP MINES: A-11, 57, B-35, 31, C-3, 15, 21, 23, 91, D - NONE					
						5. STRIP CLUSTER COMPOSITION: IOE, A, B, ALL CLUSTERS, I-2-2, C-1-2-1, D-2-3					
						6. ALL SAFETY CLIPS/PINS FOR EACH STRIP ARE BURIED 30CM (13 INCHES) TO THE REAR OF EACH STRIP MARKER ON LEFT BOUNDARY,					
Total 299						Total 1466					

